MIAMI-DADE COUNTY, FLORIDA PRODUCT CONTROL SECTION

11805 SW 26<sup>th</sup> Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

#### **NOTICE OF ACCEPTANCE (NOA)**

JELD-WEN, INC. (OR) 3737 Lakeport Boulevard Klamath Falls, OR 97601

#### Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "6400 Premium Atlantic" Aluminum Double Hung Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. JELD0020, titled Series "Premium Atlantic Aluminum 6400 Double Hung Window, LMI", sheets 1 through 11 of 11, dated 04/12/2006 with revision "2" dated 07/06/2011, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P. E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

**REVISION** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA No. 06-0504.02 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.

MIAMIDADE COUNTY
APPROYED

J.648am

NOA No. 11-0426.03 Expiration Date: August 10, 2016 Approval Date: July 28, 2011 Page 1

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. **JELD0020**, titled Series "Premium Atlantic Aluminum 6400 Double Hung Window, LMI", sheets 1 through 11 of 11, dated 04/12/2006 with revision "2" dated 07/06/2011, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P. E.

#### B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201–94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, Type "A", Grade 10, per ASTM F 842-04, and per FBC 2411 3.2.1 TAS 202-94

along with marked-up drawings and installation diagram of double hung window, prepared by National Certified Testing Laboratories, inc., Test Report No. NCTL 210-3209-2, dated 10/28/2005, signed and sealed by Gerard J. Ferrara, P. E. (Submitted under previous NOA No.06-0504.02)

#### C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by PTC, LLC, dated 04/20/2011, signed, sealed and dated 07/05/2011 by Robert J. Amoruso, P. E.

Complies with ASTM E1300-04

#### D. QUALITY ASSURANCE

1. Miami–Dade Building and Neighborhood Compliance Department (BNC).

#### E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 10-0413.04 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Sentry Glass® Interlayer" dated 05/26/2010, expiring on 01/14/12.

#### F. STATEMENTS

1. Statement letter of no financial interest, conformance and compliance with the FBC-2007, dated 04/20/2011, signed and sealed by Robert J. Amoruso, P. E.

Jaime D. Gascon, P. E.

**Product Control Section Supervisor** 

NOA No. 11-0426.03

Expiration Date: August 10, 2016 Approval Date: July 28, 2011

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### F. STATEMENTS (CONTUNIED)

2. Laboratory compliance letter for Test Report No. NCTL 210-3209-2, issued by National Certified Testing Laboratories, Inc., dated 10/28/2005, signed and sealed by Gerard J. Ferrara, P. E.

(Submitted under previous NOA No.06-0504.02)

3. Laboratory addendum letter for Test Report No. NCTL 210-3209-2, issued by National Certified Testing Laboratories, Inc., dated 06/29/2006, signed by Christopher Bennett.

(Submitted under previous NOA No.06-0504.02)

#### G. OTHERS

1. Notice of Acceptance No. 06-0504.02, issued to Jeld-Wen, Inc. (OR) for their Series "6400 Premium Atlantic" Aluminum Double Hung Window – L.M.I.", approved on 08/10/2006 and expiring on 08/10/2011.

Jaime D. Gascon, P. E. Product Control Section Supervisor

roduct Control Section Supervisor NOA No. 11–0426.03

Expiration Date: August 10, 2016 Approval Date: July 28, 2011

# JELD-WEN PREMIUM ATLANTIC ALUMINUM 6400 DOUBLE HUNG WINDOW, LMI INSTALLATION ANCHORAGE DETAILS

#### **GENERAL NOTES:**

- I. 1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE 2007 FLORIDA BUILDING CODE (FBC) AT THE DESIGN PRESSURE STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT #NCTL-210-3209-2 DATED 06/29/09 AND ASSOCIATED LABORATORY STAMPED DRAWINGS AND WERE TESTED IN ACCORDANCE WITH CURRENT DADE COUNTY PROTOCOLS.
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 1X BUCKS AND 2X WOOD FRAMING (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- IN AREAS WHERE WIND-BORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN APPROVED MIAMI DADE IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED.

DESIGN PRESSURE	RATING (PSF)	
WINDOW SIZE	DP (PSF)	IMPACT RATING
UP TO 53 1/8" X 76"	+80.0 / -80.0	LARGE MISSILE
UP TO 37" X 73"	+90.0 / -95.0	I INTERCT

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SHEET	SHEET REV. SHEET DESCRIPTION					
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3	1	ELEVATIONS & ANCHOR LAYOUTS - FLANGE				
4	1	ELEVATIONS & ANCHOR LAYOUTS - FIN				
5	1	SECTIONS - FLANGE INST. IN CONCRETE/MASONRY				
6	1	SECTIONS - FLANGE INST. IN WOOD				
7	1	SECTIONS - NAILING FIN INST. IN WOOD				
8	1	GLAZING DETAIL & BILL OF MATERIALS				
9	1	COMPONENT DETAILS				
10	1	FRAME CORNER CONSTRUCTION DETAILS				
11	1	SASH CORNER CONSTRUCTION DETAILS				

- WINDOW FRAME MATERIAL; ALUMINUM ALLOY 6063-T6.
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04 AND PER CALCULATIONS.
- DESIGNATION "X" STANDS FOR THE FOLLOWING:
   7.1. X: OPERABLE PANEL
- 8. A 1/3 INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THE DESIGN OF THE PRODUCT(S) SHOWN HEREIN. WIND LOAD DURATION FACTOR (Cd = 1.6) HAS BEEN USED FOR WOOD ANCHOR WITHDRAWAL DESIGN ONLY.
- IN ACCORDANCE WITH THE 2007 FBC, SECTION 2411.3.3.3 WOOD SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS DEFINED IN SECTION 2326.2.
- 10. IN ACCORDANCE WITH THE 2007 FBC, SECTION 2003.6.4 DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMUNUM WINDOW FRAMING WOOD SHALL HAVE BEEN PROTECTED AS DEFINED IN SECTION 2003.8.4.2.

#### **INSTALLATION NOTES:**

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 3, SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM SIZE IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 4. FASTENERS FOR INSTALLATION INTO WOOD FRAMING OR THROUGH 1X BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY SHALL BE AS SHOWN IN "ANCHOR SCHEDULE" THIS SHEET.
- 5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
- 6. FOR CONCRETE BLOCK APPLICATIONS DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.
- 7. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- 8. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL PROPERTIES SHOWN IN "ANCHOR SCHEDULE" THIS SHEET.

ANCHOR SCHEDULE							
SUBSTRATE	WINDOW FRAME TYPE	TYPE	SIZE	MANUFACTURER AND/OR SPECIFICATION	EMBEDMENT (IN) (2) (3)	EDGE DISTANCE (IN) (2) (3)	ANCHOR CAPACITIES BASED ON
CONCRETE	THRU-FRAME (FLANGE)	FLAT HEAD	1/4"	ITW TAPCONS <sup>(1)</sup>	1-1/2"	1-1/2"	MIN. 2000 PSI CONCRETE AND COMPLIES WITH ACI 301, ACI 318 AND ACI 355
MASONRY (BLOCK/CMU)	THRU-FRAME (FLANGE)	FLAT HEAD	1/4"	ITW TAPCONS <sup>(1)</sup>	1"	2"	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
WOOD	THRU-FRAME (FLANGE)	FLAT HEAD, CUT THREADED	NO. 14	ANSI B18.6.1 (WOOD SCREW)	1-1/2"	1"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.55.
		FLAT HEAD	No. 14 or 1/4" Dia.	ASME B18.6.4 (TAPPING SCREW)			
WOOD	FIN FRAME	PAN HEAD	NO. 10	ANSI B18.6.1 (WOOD SCREW) ASME B18.6.4 (TAPPING SCREW)	1-1/2"	3/8"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.55.

#### NOTES:

- 1) ITW (ADVANCED THREADFORM TECHNOLOGY) TAPCONS WILL BE USED FOR CONCRETE/MASONRY INSTALLATION.
- 2) FOR WOOD SCREWS IF SPLITTING IS A CONCERN, DRILL 5/32" PILOT HOLE FOR NO. 14 OR 3/32" PILOT HOLE FOR NO. 10.
- 3) FOR TAPPING SCREWS IF SPLITTING IS A CONCERN, DRILL 11/64" PILOT HOLE FOR NO. 14 & 1/4" DIA. OR 3/32" PILOT HOLE FOR NO. 10.

RENE		JELI 3737 LAKE	JELD-WEN 3737 LAKEPORT BLVD.			PROJECT # 411-0112	-0112	
WE		KLAMATH FALLS, OR 97601	LS, OR 97601					
D	TILE: Premium Atlantic Aluminum 6400 Double Hung Window, LMI	ntic Aluminum	6400 Double H	ung Window, LMI				
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			SCALE	DRAWING NO:	•	NOA BENETALAL	20077	٥
	PTC.U.C		N.T.S.	JELD0020	-	NOA NEINEWAL	000	<u>ć</u>
	P.O. Box 520775 Lonowood, Pt. 32752-0775	Phone: 321.690.1788 Fax: 321.690.1789	REV:	SHEET:	Æ	DESCRIPTION	DATE	<u>"</u>
	FBPE C.A. NO. 25935	Email: info@ptc-cop.com	1	5				_

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 1-9426.03
Expiration Date 287.02016

By Miami Dade Product Control

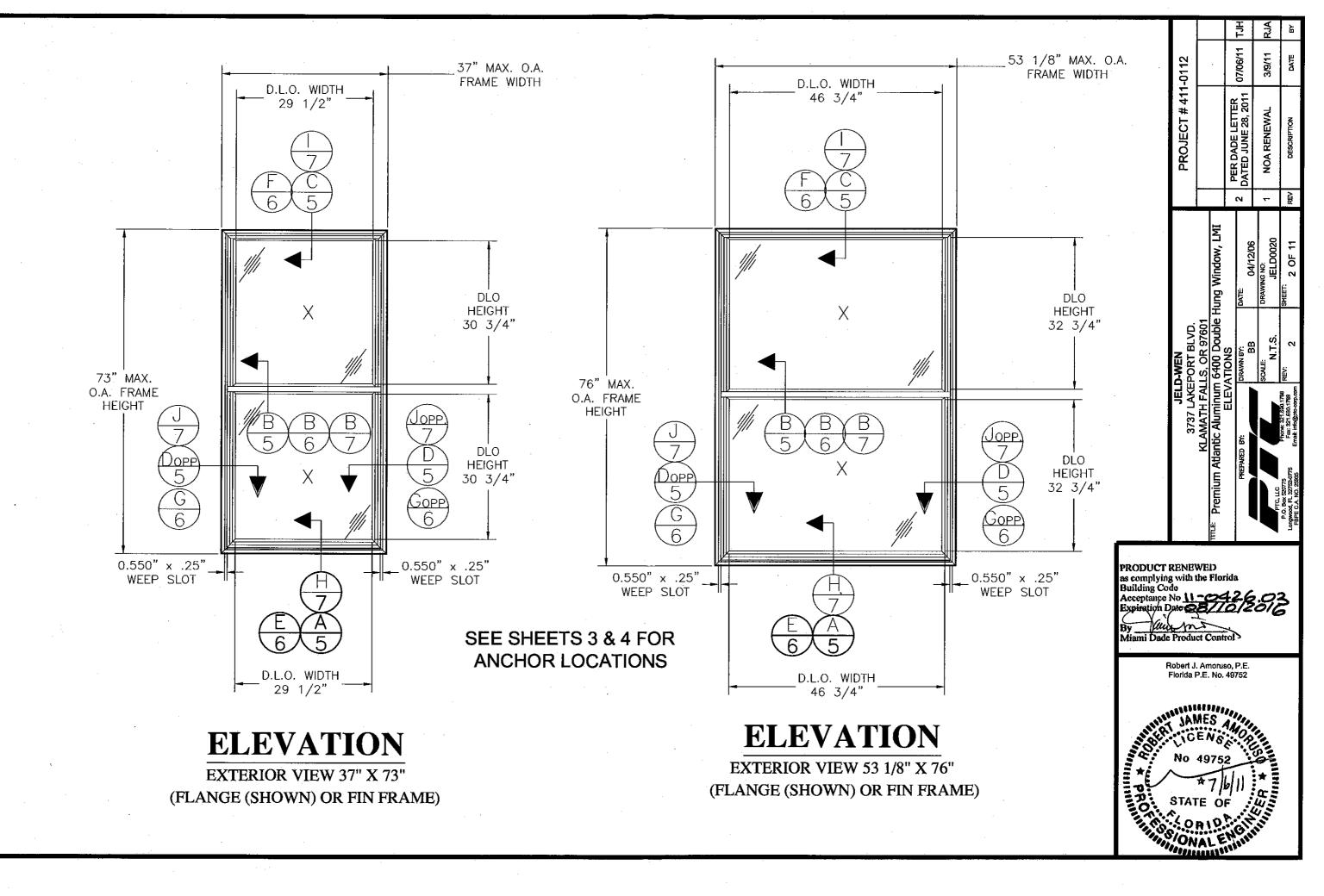
Robert J. Amoruso, P.E.
Florida P.E. No. 49752

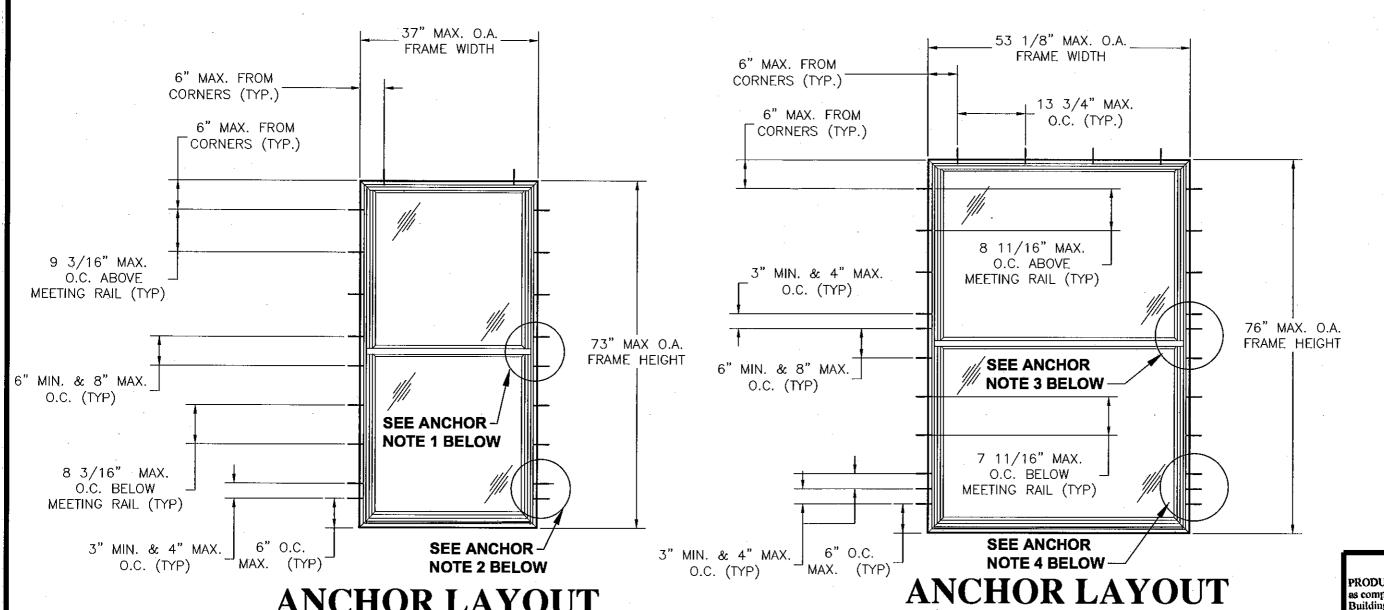
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**ANCHOR LAYOUT** 

EXTERIOR VIEW 37" X 73" (FLANGE INTO CONCRETE/MASONRY OR WOOD SUBSTRATE)

> **ANCHOR NOTE 1: CLUSTER OF 2 ITW** TAPCONS OR WOOD SCREWS 6" O.C. MIN. TO 8" O.C. MAX. SPACING

**ANCHOR NOTE 1: CLUSTER OF 2 ITW TAPCONS OR WOOD SCREWS 3" O.C.** MIN. TO 4" O.C. MAX, SPACING AND 6" MAX. FROM CORNER.

EXTERIOR VIEW 53 1/8" X 76" (FLANGE INTO CONCRETE/MASONRY OR WOOD SUBSTRATE)

SEE SHEET 2 FOR **SECTION CUTS** 

**ANCHOR NOTE 3: CLUSTER OF 3 ITW TAPCONS OR WOOD SCREWS 6" O.C.** MIN. TO 8" O.C. MAX. SPACING

**ANCHOR NOTE 4: CLUSTER OF 3 ITW** TAPCONS OR WOOD SCREWS 3" O.C. MIN. TO 4" O.C. MAX. SPACING AND 6" MAX, FROM CORNER.

PRODUCT RENEWED
as complying with the Florida
Building Code Acceptance No 11-0426.03 Expiration Date 08/10/2016 Miami Dade Product Control Robert J. Amoruso, P.E. Florida P.E. No. 49752

07/06/11

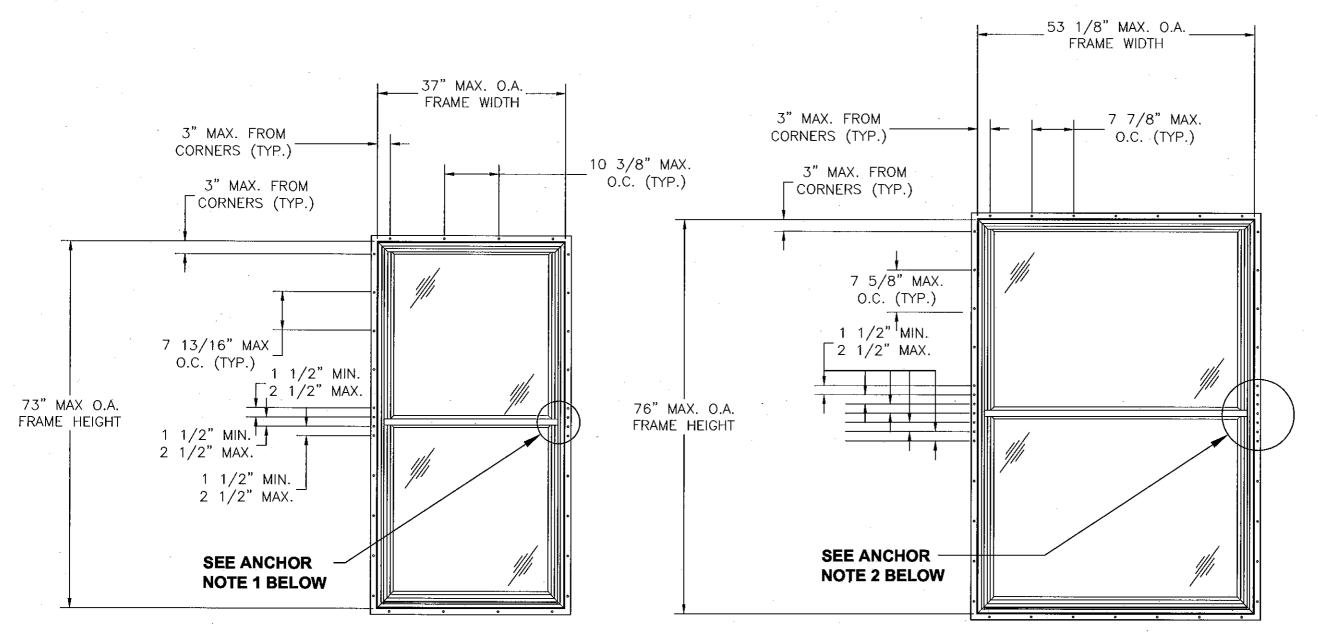
PER DADE LETTER DATED JUNE 28, 2011

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NOA RENEWAL

PROJECT # 411-0112

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### **ANCHOR LAYOUT**

EXTERIOR VIEW 37" X 73"
(NAILING FIN INTO WOOD SUBSTRATE)

ANCHOR NOTE 1: CLUSTER OF 4 WOOD SCREWS 1 1/2" O.C. MIN. TO 2 1/2" O.C. MAX. SPACING

## SEE SHEET 2 FOR SECTION CUTS

EXTERIOR VIEW 53 1/8" X 76"
(NAILING FIN INTO WOOD SUBSTRATE)

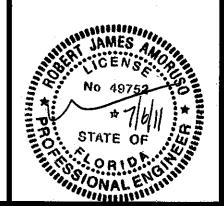
ANCHOR NOTE 2: CLUSTER OF 7 WOOD SCREWS 1 1/2" O.C. MIN. TO 2 1/2" O.C. MAX. SPACING

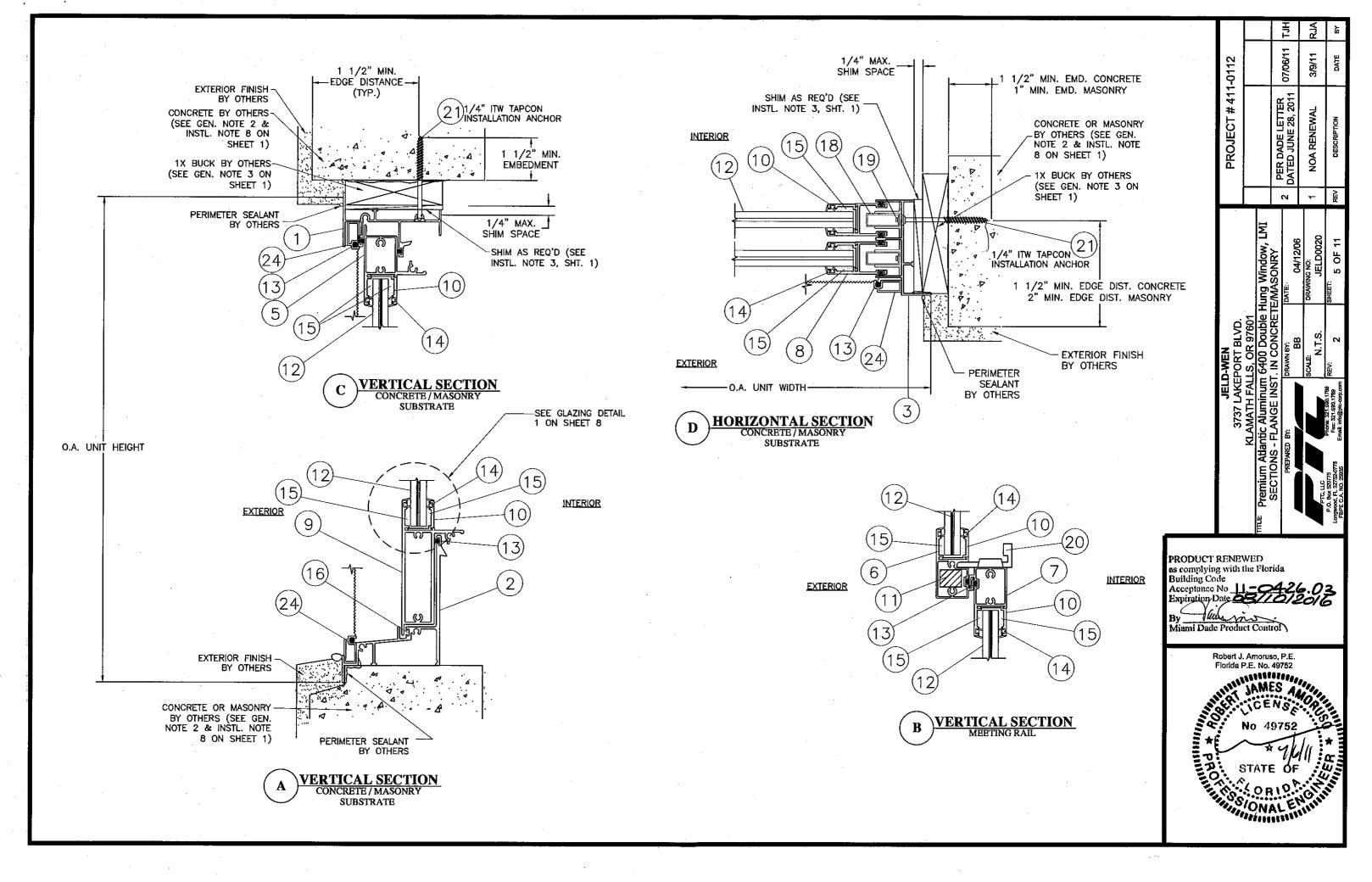
**ANCHOR LAYOUT** 

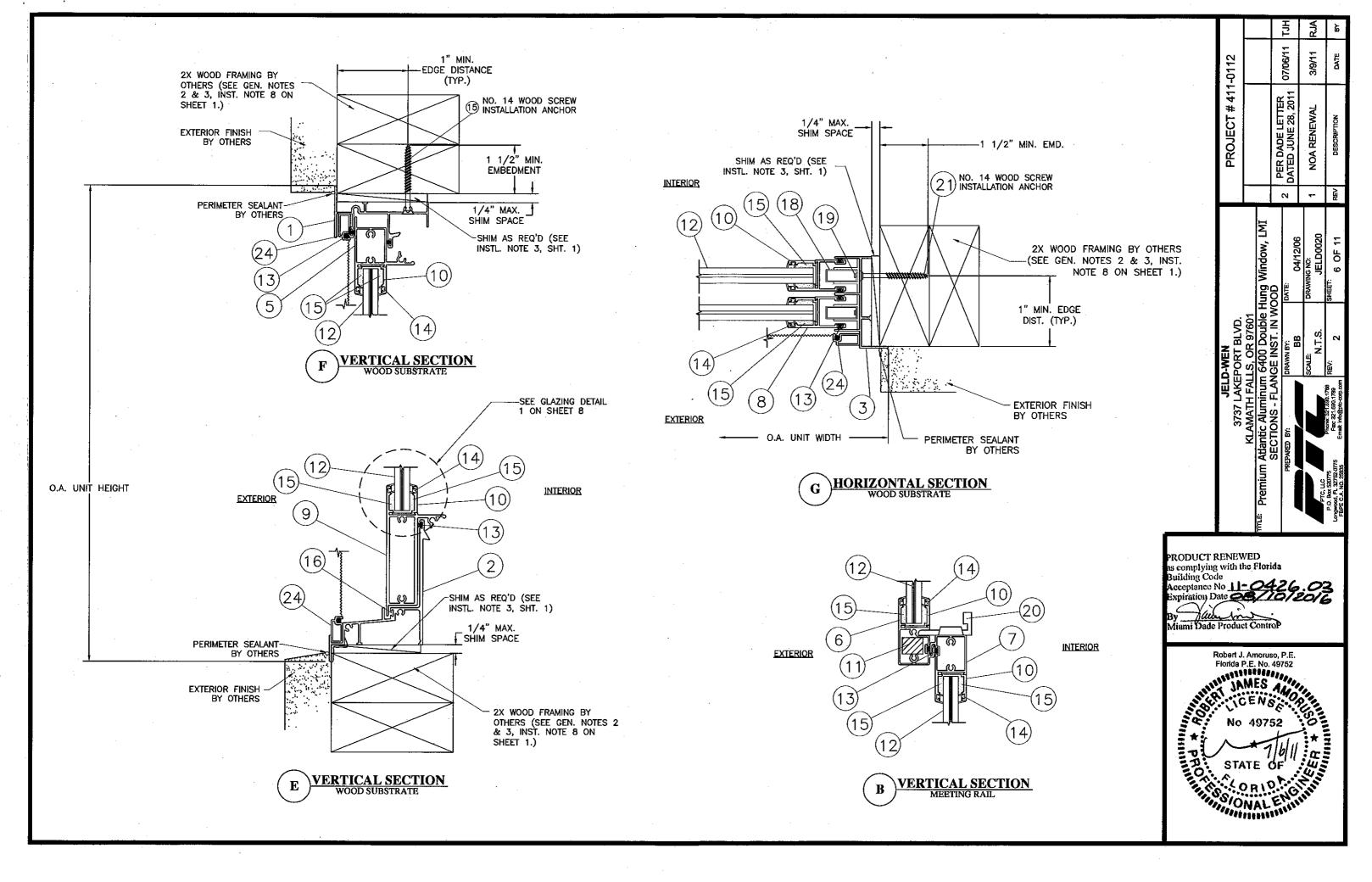
PER DADE LETTER DATED JUNE 28, 2011 7 PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 11-942
Expiration Date 37/0/

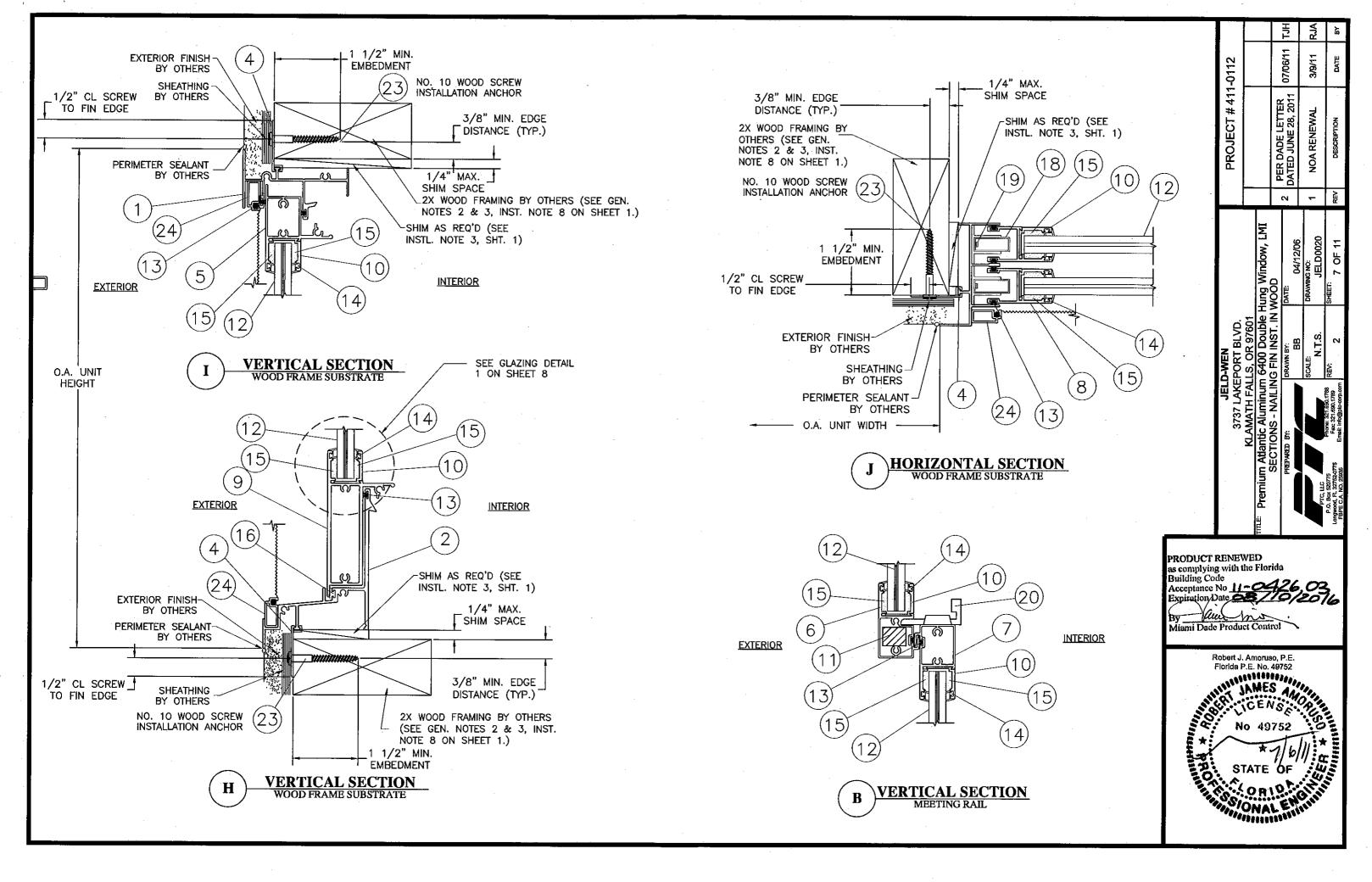
Robert J. Amoruso, P.E.

Florida P.E. No. 49752

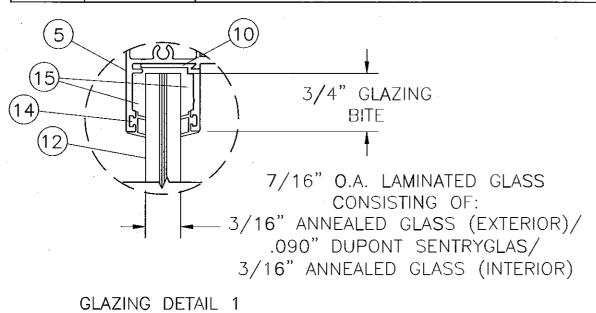








BILL OF MATERIALS					
ITEM #	PART NO.	DESCRIPTION	ALLOY	SUPPLIER	
1	11342	FRAME HEAD	6063-T6	SAPA	
2	11344	FRAME SILL	6063-T6	SAPA	
3	11343	FRAME JAMB	6063-T6	SAPA	
4	45222	APPLIED FIN	6063-T5	SAPA	
5	46209	TOP SASH RAIL	6063-T6	SAPA	
6	46207	TOP SASH RAIL I'LOCK RAIL	6063-T6	SAPA	
7	46206	DTM SASH RAIL I'LOCK IMPACT RAIL	6063-T6	SAPA	
8	46208	SASH JAMB/SILL IMPACT	6063-T6	SAPA	
9		EXTERNAL VENT SILL	6063-T6	SAPA	
10	46210	GLAZING BEAD IMPACT	6063-T6	SAPA	
11		.500" X .625" STEEL REINF. BAR (70 KSI ULT. STRENGTH)	C1018		
12		7/16" O.A. LAMINATED GLASS: 3/16" ANNEALED EXTERIOR/ .090" SENTRY PLUS FILM/ 3/16" ANNEALED INTERIOR			
13		.187" HIGH WOOLPILE W/INTEGRAL PLASTIC FIN			
14		BULB VINYL - DUROMETER 75-80 SHORE D			
15		SILICONE DOW CORNING 995			
16		VINYL WEDGE			
17		VINYL SASH STOP - DUROMETER 75 - 80 SHORE D			
18		BLOCK & TACKLE BALANCE			
19		BALANCE TAKE OUT CLIP			
20		SWEEP LOCK			
21		1/4" DIA. ITW ADVANCED THREADFORM TECH. TAPCON	STEEL	ITW	
22		#14 WOOD SCREW INSTALLATION ANCHOR	STEEL		
23		#10 WOOD SCREW INSTALLATION ANCHOR	STEEL		
24	GAH-43585	INSECT SCREEN FRAME	6063-T5	INDALEX	



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